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FORM PTO-1449 (REV.7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 430117.412C1	APPLICATION NO. 10/072,651
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS John d'Arc Lorenz, II et al.	
				FILING DATE February 6, 2002	GROUP ART UNIT 1724

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DRB	AA 1,217,643	02/27/17	Schneider	204	271	
	AB 1,862,663	06/14/32	Curtis			
	AC 2,468,357	04/26/49	Brown	204	248	
	AD 2,658,033	11/03/53	Ferris	204	152	
	AE 2,864,750	12/16/58	Hughes, Jr. et al.	204	149	
	AF 3,095,365	06/25/63	Green	204	229	
	AG 3,523,891	08/11/70	Mehl	210	44	
	AH 3,654,119	04/04/72	White et al.	204	228	
	AI 3,728,245	04/17/73	Preis et al.	204	275	
	AJ 3,819,504	06/25/74	Bennett	204	289	
	AK 3,865,710	02/11/75	Phipps	204	228	
	AL 3,925,176	12/09/75	Okert	204	152	
	AM 3,943,044	03/09/76	Fenn, III et al.	204	149	
	AN 4,017,375	04/12/77	Pohto	204	255	
	AO 4,061,556	12/06/77	Reis et al.	204	271	
	AP 4,107,021	08/15/78	Okazaki	204	263	
ASB	AQ 4,119,517	10/10/78	Hengst	204	229	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
DRB	AB 105,641	05/25/17	Great Britain		
DRB	AS 2,150,168	03/30/73	France		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DRB	AT	AWS Application Sheet, "Improved Poultry Production with Purified, Hyper-Oxygenated Water" (May 1988)	RECEIVED
DRB		DATE CONSIDERED 6/14/04	APR 19 2002

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<i>JPL</i>	AU	4,119,520	10/10/78	Paschakarnis et al.	204	276	
	AV	4,132,620	01/02/79	Nidola et al.	204	242	
	AW	4,160,716	07/10/79	Wiseman	204	270	
	AX	4,180,445	12/25/79	Bennett et al.	204	129	
	AY	4,312,736	01/26/82	Menth et al.	204	255	
	AZ	4,385,973	05/31/83	Reis et al.	204	149	
	BA	4,419,206	12/06/83	Frame	204	228	
	BB	4,425,216	01/10/84	Neymeyer	204	270	
	BC	4,436,601	03/13/84	Branchick et al.	204	149	
	BD	4,451,341	05/29/84	Miller	204	149	
	BE	4,481,096	11/06/84	Okazaki	204	265	
	BF	4,528,083	07/09/85	LaConti et al.	204	265	
	BG	4,572,775	02/25/86	Paniagua	204	229	
	BH	4,623,436	11/18/86	Umehara	204	149	
	BI	4,639,303	01/27/87	Staab et al.	204	258	
	BJ	4,761,208	08/02/88	Gram et al.	204	95	
<i>JPL</i>	BK	4,781,805	11/01/88	Dahlgren	204	149	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
<i>JPL</i>	BL WO 87/01690	03/26/87	PCT	
<i>JPL</i>	BM XP-002191431	10/23/92	Abstract Only	X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JPL</i>	BN	The Advanced Water Systems Incorporated, "The Water Technologies," company brochure regarding information on various products to improve water quality, different types of water systems and current technology, September 30, 1993.
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EXAMINER		DATE CONSIDERED	RECEIVED
<i>Aphaseq</i>		6/14/04	APR 19 2002

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ABD	BO	4,783,246	11/08/88	Langeland et al.	204	95	
	BP	4,784,735	11/15/88	Sorenson	204	98	
	BQ	4,790,914	12/13/88	Sorenson	204	98	
	BR	4,797,182	01/10/89	Beer et al.	204	14.1	
	BS	4,839,007	06/13/89	Kötz et al.	204	149	
	BT	4,917,782	04/17/90	Davies	204	152	
	BU	4,936,979	06/26/90	Brown	210	85	
	BV	5,062,940	11/05/91	Davies	204	228	
	BW	5,100,502	03/31/92	Murdoch et al.	156	643	
	BX	5,292,412	03/08/94	Pitton	204	149	
	BY	5,324,398	06/28/94	Erickson et al.	204	149	
	BZ	5,328,584	07/12/94	Erickson et al.	204	229	
	CA	5,389,214	02/14/95	Erickson et al.	204	149	
	CB	5,427,667	06/27/95	Bakhir et al.	204	260	
	CC	5,460,702	10/24/95	Birkbeck et al.	204	149	
	CD	5,728,287	03/17/98	Hough et al.	205	743	
ABD	CE	5,759,384	06/02/98	Silveri	205	743	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
ABD	CF	0 537 526 A1	04/21/93	EP	YES NO
ABD	CG	WO 95/21795	08/17/95	PCT	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

ABD	CH	Weltzien, Erika, "Water Quality for Poultry," in World Poultry Congress, Canada Poultryman (May 2000)	RECEIVED
ABD			6/14/04 APR 19 2002 TC 1700

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Aph</i>	CI	5,876,575	03/02/99	Kump	204	197	
	CI	5,911,870	06/15/99	Hough	205	701	
	CK	5,919,374	07/06/99	Harvey et al.	210	753	
	CL	5,928,503	7/27/99	Shang-Chun	210	86	
<i>Aph</i>	CM	5,993,669	11/30/99	Fulmer	210	716	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
<i>Aph</i>	CN	0 711 730 A1	05/15/96	EP	
	CO	WO 98/04502	02/05/98	PCT	
	CP	WO 98/46532	10/22/98	PCT	
	CQ	WO 99/16715	04/08/99	PCT	
	CR	WO 99/24369	05/20/99	PCT	
<i>Aph</i>	CS	1 074 515 A2	02/07/01	EP	

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